

ENVIRONMENTAL ECONOMICS AND POLICY CURRICULUM REQUIREMENTS

These requirements apply to all students entering the major after August 1, 2007

CORE COURSES (27 Credits)	Cr	Prerequisites	Semesters Offered		
			F	Sp	Su
All of the following:					
EEP 255 Ecological Economics	3	None	✓	✓	
EEP 260 World Food, Population and Poverty	3	None	✓		
EEP 320 Environmental Economics	3	EEP 255		✓	
ACR 415 Program Planning and Evaluation	3	{MTH 116 or (MTH 103 and MTH 114)} and (STT 200 or STT 201 or FW 324 or PSY 295 or COM 200 or approval of department)	✓		
EEP 405 Corporate Environmental Management	3	EEP 255 or ABM 332 or MGT 315 or MGT 325		✓	
ESA 430 Law and Resources	3	Restricted: juniors or seniors or graduate student	✓		
ESA 440 Environmental Policy Making in Michigan	3	ESA 200 or EEP 255 or approval of department		✓	
ESA/EEP 460 Natural Resource Economics	3	EC 201 and (ESA 302 or EEP 255)		✓	
ESA/EEP 470 Theory and Practice in Community Economic Development	3	None		✓	
OTHER REQUIRED COURSES (29-32 Credits)	Cr	Prerequisites	F	Sp	Su
All of the following:					
ACC 230 Survey of Accounting Concepts	3	None	✓	✓	✓
CSE 101 Computing Concepts/Competencies (spreadsheet track preferred)	3	None	✓	✓	✓
EC 201 Introduction to Microeconomics	3	None	✓	✓	✓
EC 202 Introduction to Macroeconomics	3	None	✓	✓	✓
GEO 221 Introduction to Geographic Information Systems	3	None	✓	✓	
Choose one of the following:					
EC 335 Taxes, Government Spending and Public Policy	3	EC 201 or EC 251H	✓	✓	✓
EC 435 Public Expenditures	3	EC 251H or EC 301	✓		
Choose one of the following:					
FW 203 Resource Ecology	3	None	✓	✓	
GLG 201 The Dynamic Earth	4	None	✓	✓	
ISB 202 Applications of Environmental and Organismal Biology	3	((MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (LBS 117 or concurrently) or (MTH 106 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 201 or concurrently) or (STT 200 or concurrently) or (STT 201 or concurrently)) or designated score on Mathematics Placement test	✓	✓	✓
Choose one of the following:					
MTH 116 College Algebra & Trigonometry	5	MTH 1825 or designated placement test score	✓	✓	✓
MTH 103 College Algebra PLUS	3	MTH 1825 or designated placement test score	✓	✓	✓
MTH 114 Trigonometry	3	MTH 103	✓	✓	✓

Any math course higher than MTH 116					
Choose one of the following:					
STT 200 Statistical Methods	3	(MTH 103 or MTH 110 or MTH 116 or MTH 124 or MTH 132 or LBS 117 or LBS 118) or designated score on Mathematics Placement test	✓	✓	✓
STT 201 Statistical Methods	4	(MTH 103 or MTH 110 or MTH 116 or MTH 124 or MTH 132 or LBS 117 or LBS 118) or designated score on Mathematics Placement test	✓	✓	✓
STT 315 Introduction to Statistics and Probability of Business	3	MTH 124 or MTH 132 or MTH 152H or LBS 118	✓	✓	✓

PROFESSIONAL ELECTIVES (15 Credits)	cr	Prerequisites	Semesters Offered		
			F	Sp	Su

These will be chosen from the following list supplemented by approved courses in applied environmental economics and policy areas. Courses must be approved in writing by advisor. Students interested in focusing on Environmental Economics, Environmental Policy, Environmental Science or graduate school should select from courses listed below. For additional courses see electives for the Environmental Economics Specialization.

ENVIRONMENTAL ECONOMICS:

ABM 400 Public Policy Issues in Food and Agribusiness	3	ABM 100, Restricted to juniors or seniors		✓	
EC 301 Intermediate Microeconomics*	3	EC 201, MTH 124, 132, 152H and LBS 118	✓	✓	✓
EC 302 Intermediate Macroeconomics	3	EC 201 and EC 202	✓	✓	✓
EC 340 Survey of International Economics*	3	(EC 201 or EC 251H) and (EC 202 or EC 252H)	✓	✓	✓
EC 420 Introduction of Econometric Methods*	3	(EC 202 or EC 252H) and (EC 251H or EC 301) and (MTH 124 or MTH 132 or MTH 152H) and (STT 315 or STT 421 or STT 430 or STT 441)	✓	✓	✓
EC 495 Economics of Poverty and Income Distribution	3	EC 251H or EC 301	✓		
FOR 464 Natural Resources Economics and Social Science	3	(EC 201 or EC 202) and completion of Tier I writing requirement.	✓		
FW 419 Applications of Geographic Information Systems to Natural Resources Mgt.	4	GEO 221		✓	
GEO 113 Introduction to Economic Geography	3	None	✓	✓	
GEO 415 Location Theory and Land Use Analysis	3	GEO 113 or UP 201	✓		
GEO 425 Geographic Information Systems	4	GEO 325 or GEO 492		✓	
MTH 124 Survey of Calculus with Applications I*	3	(MTH 103 or MTH 116 or LBS 117) or designated score on Mathematics Placement test	✓	✓	✓
MTH 126 Survey of Calculus with Applications II*	3	MTH 124	✓	✓	✓
MTH 132 Calculus I*	3	(MTH 103 and MTH 114) or ((MTH 116 or LBS 117) or designated score on Mathematics Placement test)	✓	✓	✓
MTH 133 Calculus II*	4	MTH 132 or MTH 152H	✓	✓	✓
MTH 234 Multivariable Calculus	4	MTH 133 or MTH 153H or LBS 119	✓	✓	✓
MTH 314 Linear Algebra I	3	MTH 234 or MTH 254H or LBS 220	✓	✓	✓
EEO 453 Women and Work: Issues and Policy Analysis	3	Not open to freshmen or sophomores.		✓	
EEO 490 Independent and Supervised Study	1-6	EEO 201 or EEO 255	✓	✓	✓
EEO 493 Internship- 3 credits maximum (Must be approved in advance)	1-3		✓	✓	✓
STT 430 Introduction to Probability and Statistics*	3	None	✓	✓	✓

*Highly recommended for persons planning to apply to a graduate program in environmental economics.

ENVIRONMENTAL POLICY:					
ABM 400 Public Policy Issues in the Agri-Food System	3	<i>ABM 100, Restricted: Only juniors or seniors</i>		✓	
EC 425 Law and Economics	3	<i>EC 251H or EC 301</i>	✓		
EC 495 Economics of Poverty and Income Distribution	3	<i>EC 251H or EC 301</i>	✓		
FOR 464 Natural Resources Economics and Social Science	3	<i>(EC 201 or EC 202) and completion of Tier I writing requirement.</i>	✓		
FOR 466 Natural Resource Policy and Planning	3	<i>Restricted: Not open to freshmen or sophomores.</i>		✓	
FW 211 Introduction to Gender and Environmental Issues	3	<i>Restricted: Not open to freshmen.</i>		✓	
FW 419 Applications of Geographic Information Systems to Natural Resources Management	3	<i>None</i>		✓	
GEO 415 Locations Theory and Land Use Analysis	4	<i>GEO 113 or UP 201</i>	✓		
GEO 425 Geographic Information Systems	3	<i>GEO 325 or GEO 492</i>		✓	
ISS 310 People and Environment	3	<i>ISS 210 or ISS 215 or ISS 220 or ISS 225</i>	✓	✓	✓
PLS 310 Public Bureaucracy in the Policy Process	3	<i>None</i>	✓	✓	
EEP 453 Women and work: Issues and Policy Analysis	3	<i>Not open to freshmen or sophomores.</i>		✓	
EEP 490 Independent and Supervised Study in Environmental Economics and Policy	1-6	<i>EEP 201 or EEP 255</i>	✓	✓	✓
EEP 493 Internship- 3 credits maximum (Must be approved in advance)	1-3	<i>None</i>	✓	✓	✓
ESA 444 Pesticides, People and Politics	3	<i>None</i>	✓		
SOC 452 Environment and Society	3	<i>Completion of Tier I writing requirement. SOC 452L concurrently</i>	✓		
STT 430 Introduction to Probability and Statistics	3	<i>None</i>	✓	✓	✓
ZOL 446 Environmental Issues and Public Policy	3	<i>Restricted: Not open to freshmen or sophomores.</i>	✓	✓	
ENVIRONMENTAL SCIENCE:					
ANS 427 Environmental Toxicology and Society		<i>None</i>		✓	
BS 110 Organisms and Population*	3	<i>None</i>	✓	✓	
CE 280 Introduction to Environmental Engineering	4	<i>(CEM 141 or CEM 151 or LBS 171) and ((MTH 132 or concurrently) or (MTH 152H or concurrently) or (LBS 118 or concurrently))</i>	✓	✓	
CEM 141 General Chemistry*	3	<i>((MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or (LBS 117 or concurrently) or (LBS 118 or concurrently)) or designated score on Mathematics Placement test</i>	✓	✓	
CSS 210 Fundamentals of Soil and Landscape Science*	4	<i>None</i>	✓	✓	
CSS 455 Pollutants in the Soil Environment	3	<i>(CEM 143) and completion of Tier I writing requirement.</i>	✓		
ENT 319 Introduction to Earth System Sci.	3	<i>None</i>	✓		
FW 211 Introduction to Gender and Environmental Issues	3	<i>Restricted: Not open to freshmen.</i>		✓	
FW 284 Natural History and Conservation in Michigan	3	<i>None</i>	✓		
FW 364 Ecological Problem Solving	3	<i>((MTH 124 or concurrently) or (MTH 132</i>		✓	

		or concurrently) or (LBS 118 or concurrently)) and (FW 324 or STT 201 or STT 231 or STT 421) and (ZOL 355 or BE 230)			
FW 419 Applications of Geographic Information Systems to Natural Resource Management	3	None		✓	
GEO 206 Physical Geography	3	None	✓	✓	
GEO 306 Environmental Geomorphology	3	CSS 210 or GEO 206 or GEO 333 or GLG 201 or GLG 304 or ISP 203A		✓	
GEO 324 Remote Sensing of the Environment	3	None	✓		
GEO 425 Geographic Information Systems	3	GEO 325 or GEO 492		✓	
GLG 411 Hydrogeology	4	Not open to freshmen or sophomores.	✓		
GLG 421 Environmental Geochemistry	4	None		✓	
ISP 203 Geology of the Human Environment	4	(ISP 203A or concurrently) or (ISP 203B or concurrently)	✓	✓	✓
ESA 415 Environmental Impact Assessment	3	(ZOL 355 or concurrently)	✓		
STT 430 Introduction to Probability and Statistics*	4	None	✓	✓	✓
ZOL 355 Ecology	3	BS 110 or LBS 144 or LBS 148H	✓	✓	✓
<i>*Highly recommended for persons planning to apply to a graduate program in environmental economics.</i>					
UNIVERSITY INTEGRATIVE STUDIES (28 Credits)	Cr	Prerequisites	F	Sp	Su
All of the following:					
WRA 11X Writing, Rhetoric & American Cultures (min 2.0 grade required or must take AL 201 with IAH 20X course)	4	None	✓	✓	✓
IAH 20X – 210 (Arts & Humanities)	4	Completion of WRA 11X with 2.0 grade	✓	✓	✓
IAH 211 (Arts & Humanities) or higher	4	Completion of IAH 20X course	✓	✓	✓
ISS 2XX (Social, Behavioral & Economic Sciences)	4	None	✓	✓	✓
ISS 3XX (Social, Behavioral & Economic Sciences)	4	Completion of ISS 2XX course	✓	✓	✓
ISB 2XX (Biological Science)	3	((MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (LBS 117 or concurrently) or (MTH 106 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 201 or concurrently) or (STT 200 or concurrently) or (STT 201 or concurrently)) or designated score on Mathematics Placement test	✓	✓	✓
ISP 2XX (Physical Science)	3	(MTH 103 or MTH 110 or MTH 116 or LBS 117 or (MTH 112 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 201 or concurrently) or (STT 200 or concurrently) or (STT 201 or concurrently)) or designated score on Mathematics Placement test	✓	✓	✓
ISB or ISP lab (Science Lab)	2	Completion of or concurrent enrollment in ISB or ISP course linked to the lab	✓	✓	✓
<i>(Note: 1 credit ISB or ISP lab okay for freshmen entering MSU prior to Fall 2001 or transfer students entering MSU prior to Fall 2002)</i>					
FREE ELECTIVES (18-21 credits needed to complete 120 total graduation credits)					